# SYSTEMS AND METHODS FOR MODIFYING ADAPTIVE DOSING REGIMENS


## Abstract

The systems and methods described herein determine a patient-specific pharmaceutical dosing regimen for a patient, using a computerized pharmaceutical dosing regimen recommendation system, and provide ways to quickly adjust a dosing regimen recommendation for a specific patient, in order to react to fast changes in the patient's medical condition. One way that the present disclosure accomplishes this is to update various inputs to the model in particular ways, such as by excluding a specific type (or types) of data or a specific portion (or portions) of previously observed data. Excluding this data from the model inputs allows for other data (such as data that is consistent with the indicators of the patient's status) to be weighted more heavily by the model, and therefore results in a recommendation for a patient-specific pharmaceutical dosing regimen that is suitable for quickly addressing the patient's changing needs.

[Fig. 1]